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S-E-C-R-E-T

50X1-HUM

COUNTRY East Germany

REPORT

SUBJECT Soviet Tank Repair Shop Wuensdorf:
T/54 and PT/76 Tanks under Repair

DATE DISTR. 22 OCT 1959

NO. PAGES 1

REFERENCES RD

DATE OF INFO.

50X1-HUM

PLACE & DATE ACQ

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report

on the Soviet Tank Repair Shop in Wuensdorf which contains information on the following:

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- b. T-54 dimensions relevant to angle of glacis and nose plates.
- c. T/54 trials with new auxiliary fuel tank fittings.
- d. T/54 unidentified turret fittings.

Included is a sketch showing the following:

- a. Glacis and nose plate angles
- b. Auxiliary fuel tank fittings
- c. Unidentified turret fittings

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Sanitized Copy Approved for Release 2010/08/16 : CIA-RDP80T00246A051200520001-5

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25 August 1959

EAST GERMANY/U.S.S.R.

MILITARY

Miscellaneous Information regarding T54 and PT 76
Tanks undergoing repair at the Soviet A.F.V. Repair
Workshops at WUNSDORF

(August 1959)

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T 54 Dimensions relevant to ascertaining the angle of the glacis
and nose plates.

2. A T54 hull undergoing repair in the workshops was mounted so that its belly plate was 63 cms. from the floor. When so mounted the junction of the glacis plate and lower nose plate was 96 cms. from the floor. The glacis plate was 132 cms. in length, and the lower nose plate 68 cms. (See also Appendix "A" Fig. 1).

T54 Trials with new auxiliary fuel tank fittings.

3. In mid-August 1959 trials were currently in progress testing out a fitting at the rear of a T54, to which 4 auxiliary fuel tanks were attached; a side view of this is shown in fig. 2 at Appendix "A". Four auxiliary tanks were carried horizontally on a framework which appeared to be collapsible, or at least capable of folding when not in use. The fuel tanks were each approximately 50 cm. in diameter and their length was equal to the width of the tank hull. They were connected to each other, and the top one to a fitting on the hull, by flexible piping.

4. The capacity of each auxiliary fuel tank is 150 litres.

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T54: Turret Fittings

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5. A T54 tank which had been fully repaired and reassembled during July/August 1959 had two fittings on the turret which have not been fitted to the turrets of other T54s which have to date passed through these workshops. Sketches of these fittings are shown in Appendix "A", fig. 3. The smaller fitting was attached to a bracket just in front of the left hatchway in the top of the turret, while the larger fitting was attached to a bracket immediately to the right of the gun mantlet. The front of each fitting was protected by a removable metal covering plate. No cables or other electrical leads were visible in connection with either of these fittings.

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APPENDIX "A"

FIG. 1

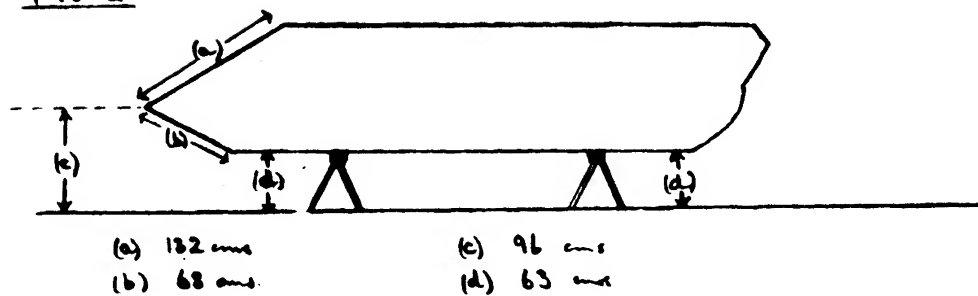


FIG. 2

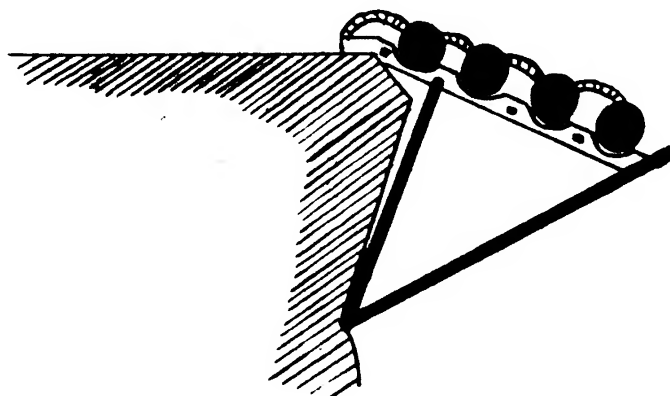
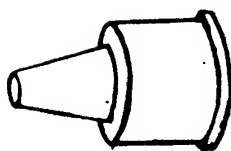


FIG. 3



Diameter - approx 20 cms
Length - " 30 cms



Diameter - approx 25-30 cms
Length - " 15 cms

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APPENDIX "A"

Fig. 1

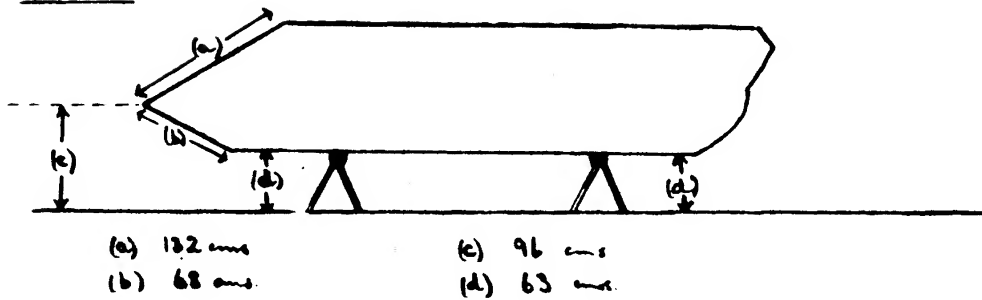


Fig 2

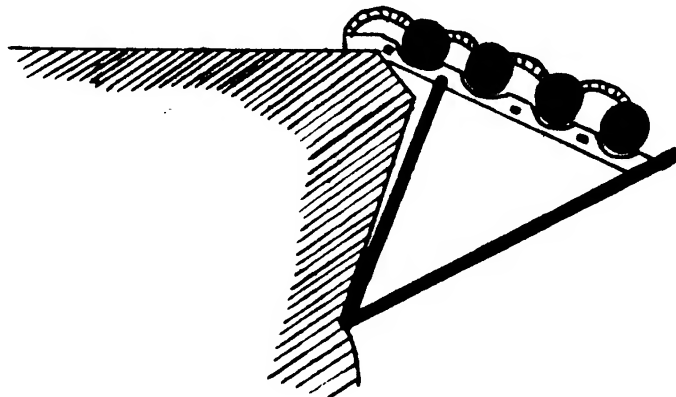
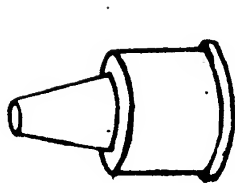


Fig. 3



Diameter - approx 20 cms.
Length - " 30 cms.



Diameter - approx 25-30 cms
Length - " 15 cms